

IN THE CLAIMS:

Cancel claims 1-49

50. (Original) A method of treatment by electrokinetic self-administration of a medicament into a treatment site for an individual, comprising:

providing a device shaped in part to conform to at least a portion of an individual's finger and having a self-contained power source, first and second electrodes, and a substrate in electrical contact with said first electrode and having an exposed contact surface;

providing at least one of an electrokinetically transportable medicament or a medicament with an electrically conductive carrier therefor;

releasably retaining the device on the individual's finger, with the second electrode in electrical contact with the individual's finger;

providing said at least one medicament in contact with said substrate or the treatment site;

while the device remains retained on the individual's finger, placing the contact surface of said substrate into contact with the individual's treatment site and causing electrical current to flow through said first electrode, the electrically transportable medicament or the conductive carrier, the treatment site, the individual's body, said second electrode and said power source to electrokinetically drive the medicament into the treatment site.

51-98. (Cancelled).

99. (Currently amended) A delivery device for self-administration of a substance to a treatment site on an individual, comprising: a self-contained disposable applicator including a pad for ~~containing~~ applying the substance to the treatment site, a power supply, a first electrode overlying said pad and electrically connected to said power supply and a second electrode having

a tactile surface in electrical contact with said power supply and lying on a side of said applicator remote from said pad, said second electrode having an electrically conductive material overlying the tactile surface, whereby, upon the individual's hand or a portion thereof in contact with said tactile surface of said second electrode holding the applicator pad against the treatment site, an electrical circuit is completed between the first electrode through the treatment site and the second electrode via the tactile surface, the electrically conductive material and the individual's hand and body for electrokinetically driving the substance into the treatment site.

100. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein delivery of the at least one medicament to the treatment site at least aids in treatment or prevention of diseases or other abnormal or cosmetic conditions of skin or mucocutaneous membrane.

101. (Currently amended) The device according to Claim 99 in combination with the substance said substance including at least one medicament, and wherein delivery of the at least one medicament to the treatment site at least aids in treatment or prevention of infection.

102. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament ~~to the treatment site~~ is at least intended to treat or prevent bacterial infection of skin.

103. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat or prevent viral infection of skin.

104. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat or prevent microbial infection of skin.

105. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to stimulate hair growth.

106. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat a wound.

107. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat acne.

108. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat psoriasis.

109. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat eczema or contact or atopic dermatitis.

110. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat pruritis, dry skin, or keratosis.

111. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat actinic keratoses.

112. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat spider veins.

113. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein delivery of the at least one medicament is at least intended to treat skin cancer.

114. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein delivery of the at least one medicament to the treatment site at least relieves pain.

115. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat a herpetic symptom.

116. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat post-herpetic neuralgia.

117. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is an antiviral.

118. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is an anesthetic.

119. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat an inflammatory condition.

120. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is dexamethasone.

121. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one anesthetic selected from the group consisting of lidocaine, xylocaine, prilocaine, prilocaine, fetanyl, remifentanil, sufentanil, alfentanil, novocaine, procaine, morphine HCl and EMLA.

122. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises an anti-proliferative agent or an anti-angiogenic agent.

123. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical selected from the group consisting of 5-fluorouracil, cisplatin, Efudex, soviudine and thalidomide.

124. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat a varicella zoster symptom.

125. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises acyclovir.

126. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises a chemical selected from the group consisting of analogs and derivatives of acyclovir.

127. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least penciclovir or famciclovir.

128. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises a behenyl alcohol.

129. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises n-docosanol.

130. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical selected from the group consisting of analogs and derivatives of n-docosanol.

131. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises 5-iodo-2 deoxyuridine (IUDR).

132. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical selected from the group consisting of cytosine arabinoside (Ara-C), adenine arabinoside (Ara-A), adenine arabinoside monophosphate (Ara-AMP), arabinofuranosyl hypoxanthine (Ara-Hx), phosphonoacetic acid (PAA), thymine arabinoside (Ara-T), 5'-amino-2', 5'-dideoxy-5-iodouridine (AIU), 1-beta-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil (BV-ara-U), 1-beta-D-arabinofuranosyl-E-5(2-chlorovinyl)uracil (CV-ara-U), halogenated deoxytidines BrCdR and ICdR, and bromovinyldeoxyuridine (BVDU).

133. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises an antiviral and an anesthetic.

134. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament is at least intended to treat an infection by a human papilloma virus.

135. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical selected from the group consisting of Imiquimod, sodium salicylate, tretinoin, benzoyl peroxide, bleomycin, interferons, Podocon-25, Wart Off and Compound W.

136. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises an antibiotic.

137. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical selected from the group consisting of finasteride, minoxidil, antidihydrotestosterones and antidihydroestrogens.

138. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least a steroidal or non-steroidal anti-inflammatory drug (NSAID).

139. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical or biologic selected from the group consisting of benzamycin, benzoyl peroxide, cleocin, T-Stat, Clearasil, Benzac, Accutane, tazarotene, adapalene, azelaic acid and erythromycin.

140. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical or biologic selected from the group consisting of anesthetics, analgesics, and other desensitizing agents.

141. (Cancelled).

142. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one medicament comprises at least one chemical or biologic selected from the group consisting of vasodilators, antihistamines, antimetabolites, immunosuppressives, and antineoplastic agents.

143. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said at least one

medicament comprises at least one chemical or biologic selected from the group consisting of antiandrogens, beta blockers, beta-adrenergic antagonists, catecholamines, modulators of collagen deposition, and sympathomimetics.

144. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein said first electrode includes a multi-channel electrode, each electrode channel being electrically driven in a current isolated fashion through a corresponding plurality of individual current loops with each channel receiving substantially the same current level.

145. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and including a current driver, said first electrode including a plurality of current distributive channels and a plurality of current limiters coupled between said driver and said channels to provide substantially the same current level in each said channel.

146. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and wherein the device is disposable after one-time usage.

147. (Currently amended) The device according to Claim 99 in combination with the substance, said substance including at least one medicament, and including a vibratory element carried by said device and electrically coupled to said power source for inducing ultrasonic vibration into the treatment site.

148. (Cancelled).

149. (Cancelled).

150. (New) The device according to claim 99 in combination with the substance, said substance being contained within said pad.

151. (New) The device according to claim 99 in combination with the substance, said substance being applied to said pad on a side thereof opposite said first electrode.

152. (New) The device according to claim 99 wherein said second electrode overlies said first electrode on a side of the applicator remote from said pad.

153. (New) The device according to claim 99 in combination with the substance, said substance comprising an anti-fungal.

154. (New) The device according to claim 99 in combination with the substance, said substance at least aiding in the treatment or prevention of a disease condition caused by suspected to be caused by a fungus.